

Workshop N°1

MEZIOUNI Reda

1.

```
redkhay@vm:~$ man
What manual page do you want?
For example, try 'man man'.
redkhay@vm:~$ |
```

2. J'ai pas bien préciser pour le bash le manuel de quel commande que j'en ai besoin, c'est pour cela qu'il m'a donné "What manuel page do you want".

3.

```
redkhay@vm: ~
LS(1) User Commands LS(1)

NAME
  ls - list directory contents

SYNOPSIS
  ls [OPTION]... [FILE]...

DESCRIPTION
  List information about the FILES (the current directory by default).
  Sort entries alphabetically if none of -cftuvSUX nor --sort is speci-
  fied.

  Mandatory arguments to long options are mandatory for short options
  too.

  -a, --all
      do not ignore entries starting with .

  -A, --almost-all
      do not list implied . and ..

  --author
      Manual page ls(1) line 1 (press h for help or q to quit)
```

4.

- espace: pour la page suivante
- entrée: pour la ligne suivante
- b: pour la page précédente
- G : dernier ligne de la documentation ls
- b : active le pourcentage
- q : quitter le manuel de la commande ls

5.

manls et man 3 ls ne fonctionne pas car la vraie écriture pour lancer une commande est: "man nom_de_commande".

```
redkhay@vm:~$ man
What manual page do you want?
For example, try 'man man'.
redkhay@vm:~$ man ls
redkhay@vm:~$ manls
manls: command not found
redkhay@vm:~$ man 3 ls
No manual entry for ls in section 3
redkhay@vm:~$ |
```

6.

```
redkhay@vm:~$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
redkhay@vm:~$ ls -l
total 36
drwxr-xr-x 2 redkhay redkhay 4096 Jun 15 2020 Desktop
drwxr-xr-x 8 redkhay redkhay 4096 Dec 31 22:09 Documents
drwxr-xr-x 4 redkhay redkhay 4096 Jan 5 23:02 Downloads
drwxr-xr-x 2 redkhay redkhay 4096 Jun 13 2020 Music
drwxr-xr-x 2 redkhay redkhay 4096 Jan 5 23:07 Pictures
drwxr-xr-x 2 redkhay redkhay 4096 Jun 13 2020 Public
drwxr-xr-x 9 redkhay redkhay 4096 Dec 19 15:00 snap
drwxr-xr-x 2 redkhay redkhay 4096 Jun 13 2020 Templates
drwxr-xr-x 3 redkhay redkhay 4096 Jan 5 21:15 Videos
redkhay@vm:~$ ls -h
Desktop Documents Downloads Music Pictures Public snap Templates Videos
redkhay@vm:~$ ls -l -h
total 36K
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 15 2020 Desktop
drwxr-xr-x 8 redkhay redkhay 4.0K Dec 31 22:09 Documents
drwxr-xr-x 4 redkhay redkhay 4.0K Jan 5 23:02 Downloads
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 13 2020 Music
drwxr-xr-x 2 redkhay redkhay 4.0K Jan 5 23:07 Pictures
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 13 2020 Public
drwxr-xr-x 9 redkhay redkhay 4.0K Dec 19 15:00 snap
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 13 2020 Templates
drwxr-xr-x 3 redkhay redkhay 4.0K Jan 5 21:15 Videos
redkhay@vm:~$ ls -lh
total 36K
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 15 2020 Desktop
drwxr-xr-x 8 redkhay redkhay 4.0K Dec 31 22:09 Documents
drwxr-xr-x 4 redkhay redkhay 4.0K Jan 5 23:02 Downloads
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 13 2020 Music
drwxr-xr-x 2 redkhay redkhay 4.0K Jan 5 23:07 Pictures
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 13 2020 Public
drwxr-xr-x 9 redkhay redkhay 4.0K Dec 19 15:00 snap
drwxr-xr-x 2 redkhay redkhay 4.0K Jun 13 2020 Templates
drwxr-xr-x 3 redkhay redkhay 4.0K Jan 5 21:15 Videos
redkhay@vm:~$ |
```

7.

```
redkhay@vm:~$ ls -lct
total 36
drwxr-xr-x 8 redkhay redkhay 4096 Jan 5 23:20 Documents
drwxr-xr-x 2 redkhay redkhay 4096 Jan 5 23:07 Pictures
drwxr-xr-x 4 redkhay redkhay 4096 Jan 5 23:02 Downloads
drwxr-xr-x 3 redkhay redkhay 4096 Jan 5 21:15 Videos
drwxr-xr-x 9 redkhay redkhay 4096 Dec 19 15:00 snap
drwxr-xr-x 2 redkhay redkhay 4096 Jun 15 2020 Desktop
drwxr-xr-x 2 redkhay redkhay 4096 Jun 13 2020 Music
drwxr-xr-x 2 redkhay redkhay 4096 Jun 13 2020 Public
drwxr-xr-x 2 redkhay redkhay 4096 Jun 13 2020 Templates
redkhay@vm:~$ ls -la
. Desktop Music .ssh
.. Documents .pam_environment .sudo_as_admin_successful
.bash_history Downloads Pictures Templates
.bash_logout .gitconfig .pki Videos
.bashrc .gnupg .profile .vscode
.cache .local Public
.config .mozilla snap
redkhay@vm:~$ ls /etc/
acpi host.conf popularity-contest.conf
adduser.conf hostid ppp
alsa hostname printcap
alternatives hosts profile
anacrontab hosts.allow profile.d
app.conf hosts.deny protocols
apm hp pulse
apparmor ifplugd python3
apparmor.d init python3.8
appport init.d rc0.d
appstream.conf initramfs-tools systemd
```

```
hdparm.conf polkit-1 zsh_command_not_found
redkhay@vm:~$ lsusb
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 001 Device 003: ID 0a5c:5832 Broadcom Corp. 5800
Bus 001 Device 002: ID 1bcf:28b8 Sunplus Innovation Technology Inc. Integrated Webcam HD
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
redkhay@vm:~$ ls --color
Desktop Downloads Pictures snap Videos
Documents Music Public Templates
```

- ls : affiche le répertoire courant
- ls -l : liste au format long
- ls -h : liste au format compréhensive par l'humaine (Human readable)
- ls -l -h/ ls -lh : ce sont les mêmes, listent au format long et compréhensive par l'humaine
- ls -lct : Permet de trier les fichiers et répertoires par date de modification par ordre décroissante
- ls -a : liste tous les fichiers et répertoires y compris les cachés du répertoire courant
- ls /etc/ : affiche le contenu du répertoire /etc/
- lsusb : affiche les usb connectées
- ls --color : liste le répertoire courant

8.

```
redkhay@vm:~$ pwd
/home/redkhay
redkhay@vm:~$ cd /
redkhay@vm:/$ pwd
/
redkhay@vm:/$ |
```

- pwd pour "Print working directory", Affiche le répertoire de travail.
- Après exécuter le deux commande "cd /" il ma permet de remonter à la racine de l'ensemble du système de fichiers et après "pwd" il m'a listé les fichiers qu'il existe au niveau de la racine de l'ensemble du système de fichiers.

9.

```
redkhay@vm:/$ cd
redkhay@vm:~$ cd ~
redkhay@vm:~$ cd ..
redkhay@vm:/home$ cd /usr/bin/
redkhay@vm:/usr/bin$ cd -
/home
redkhay@vm:/home$ |
```

- cd : permet de revenir au répertoire /home/utilisateur
- cd .. : permet de remonter au répertoire parent
- cd ~: permet de remonter au répertoire de base
- cd /usr/bin/ : se déplacer dans le répertoire /usr/bin/
- cd -: permet de revenir au répertoire précédent

10.

```
redkhay@vm:/home$ cd
redkhay@vm:~$ mkdir Nouveau
redkhay@vm:~$ ls
Desktop    Downloads  Nouveau    Public     Templates
Documents  Music      Pictures   snap       Videos
redkhay@vm:~$ rmdir Nouveau/
redkhay@vm:~$ ls
Desktop    Downloads  Pictures   snap       Videos
Documents  Music      Public     Templates
```


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```
redkhay@vm:~$ mkdir Nouveau
redkhay@vm:~$ ls
Desktop    Downloads  Nouveau    Public    Templates
Documents  Music      Pictures   snap      Videos
redkhay@vm:~$ touch fichier.txt
redkhay@vm:~$ ls
Desktop    Downloads  Music      Pictures   snap      Videos
Documents  fichier.txt Nouveau    Public    Templates
redkhay@vm:~$ cp fichier.txt Nouveau/
redkhay@vm:~$ ls
Desktop    Downloads  Music      Pictures   snap      Videos
Documents  fichier.txt Nouveau    Public    Templates
redkhay@vm:~$ cd Nouveau/
redkhay@vm:~/Nouveau$ ls
fichier.txt
redkhay@vm:~/Nouveau$ cd
redkhay@vm:~$ rm fichier.txt
redkhay@vm:~$ ls
Desktop    Downloads  Nouveau    Public    Templates
Documents  Music      Pictures   snap      Videos
redkhay@vm:~$ |
```

14.

```
redkhay@vm:~$ ls
Desktop    Downloads  Nouveau    Public    Templates
Documents  Music      Pictures   snap      Videos
redkhay@vm:~$ cd Nouveau/
redkhay@vm:~/Nouveau$ ls
fichier.txt
redkhay@vm:~/Nouveau$ mv fichier.txt ~
redkhay@vm:~/Nouveau$ ls
redkhay@vm:~/Nouveau$ cd
redkhay@vm:~$ ls
Desktop    Downloads  Music      Pictures   snap      Videos
Documents  fichier.txt Nouveau    Public    Templates
redkhay@vm:~$ |
```

15.

```
redkhay@vm:~$ ls
Desktop    Downloads  Music      Pictures   snap      Videos
Documents  fichier.txt Nouveau    Public    Templates
redkhay@vm:~$ mkdir Nouveau2
redkhay@vm:~$ ls
Desktop    Downloads  Music      Nouveau2   Public    Templates
Documents  fichier.txt Nouveau    Pictures   snap      Videos
redkhay@vm:~$ cp -r Nouveau Nouveau2/
redkhay@vm:~$ ls
Desktop    Downloads  Music      Nouveau2   Public    Templates
Documents  fichier.txt Nouveau    Pictures   snap      Videos
redkhay@vm:~$ cd Nouveau2/
redkhay@vm:~/Nouveau2$ ls
Nouveau
redkhay@vm:~/Nouveau2$ cd Nouveau/
redkhay@vm:~/Nouveau2/Nouveau$ ls
redkhay@vm:~/Nouveau2/Nouveau$ |
```

16.

```
redkhay@vm:~$ ls
Desktop  Downloads  Nouveau  Pictures  snap      Videos
Documents Music      Nouveau2 Public    Templates
redkhay@vm:~$ cp -r Nouveau/ Nouveau2/
redkhay@vm:~$ ls
Desktop  Downloads  Nouveau  Pictures  snap      Videos
Documents Music      Nouveau2 Public    Templates
redkhay@vm:~$ cd Nouveau2
redkhay@vm:~/Nouveau2$ ls
Nouveau
redkhay@vm:~/Nouveau2$ cd Nouveau/
redkhay@vm:~/Nouveau2/Nouveau$ ls
fichier.txt
redkhay@vm:~/Nouveau2/Nouveau$ |
```

17.

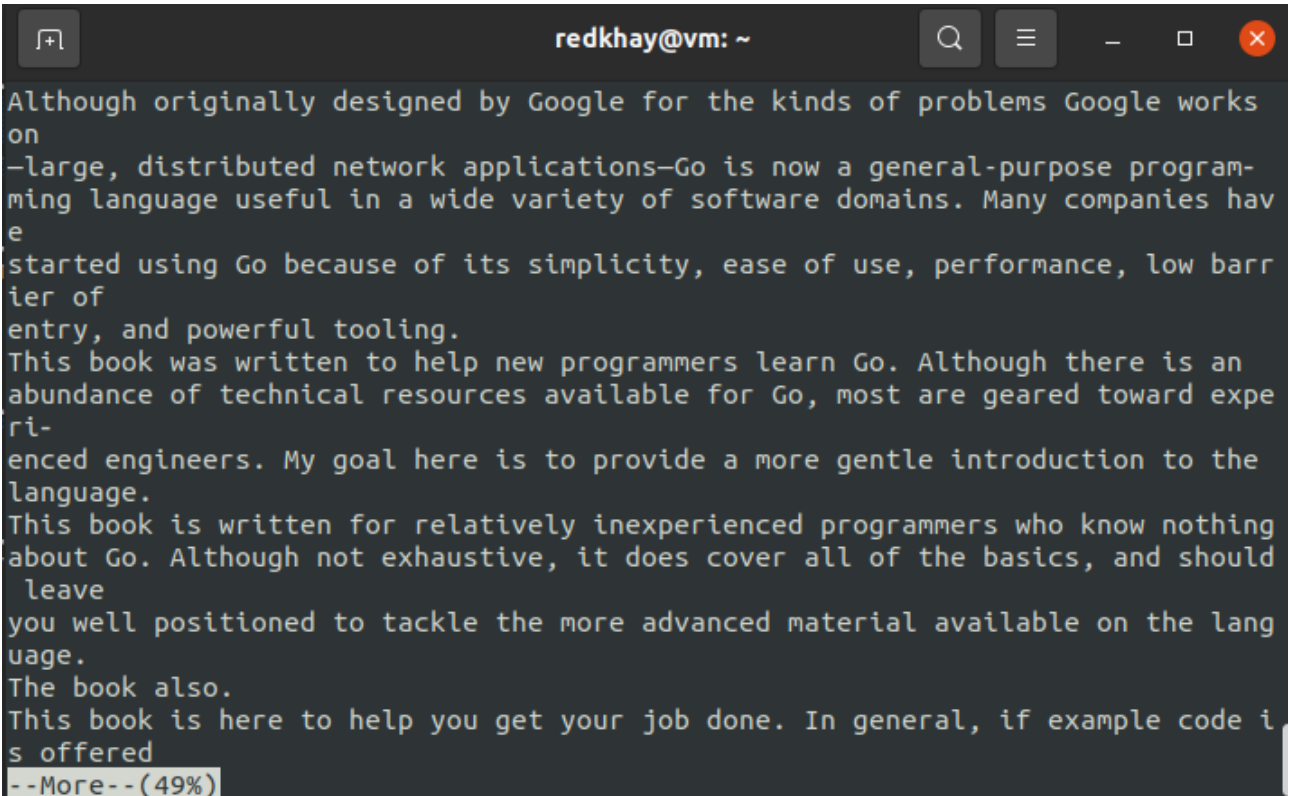
```
redkhay@vm:~$ ls
Desktop  Downloads  Nouveau  Pictures  snap      Videos
Documents Music      Nouveau2 Public    Templates
redkhay@vm:~$ cd Nouveau2/Nouveau/
redkhay@vm:~/Nouveau2/Nouveau$ ls
fichier.txt
redkhay@vm:~/Nouveau2/Nouveau$ ln -s fichier.txt raccourci
redkhay@vm:~/Nouveau2/Nouveau$ ls
fichier.txt raccourci
redkhay@vm:~/Nouveau2/Nouveau$ rm raccourci
redkhay@vm:~/Nouveau2/Nouveau$ ls
fichier.txt
redkhay@vm:~/Nouveau2/Nouveau$ |
```

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```
redkhay@vm:~$ ls
Desktop  Downloads  Nouveau  Pictures  snap      Videos
Documents Music      Nouveau2 Public    Templates
redkhay@vm:~$ cat > fichier.txt
Hello World!
1
3
5
7
9
11
^C
redkhay@vm:~$ cat -n fichier.txt
 1 Hello World!
 2 1
 3 3
 4 5
 5 7
 6 9
 7 11
redkhay@vm:~$ |
```

20.

```
redkhay@vm:~$ nano monFichier.txt
redkhay@vm:~$ ls
Desktop  Downloads  monFichier.txt  Nouveau  Pictures  snap  Videos
Documents  fichier.txt  Music          Nouveau2  Public    Templates
redkhay@vm:~$ more monFichier.txt
```

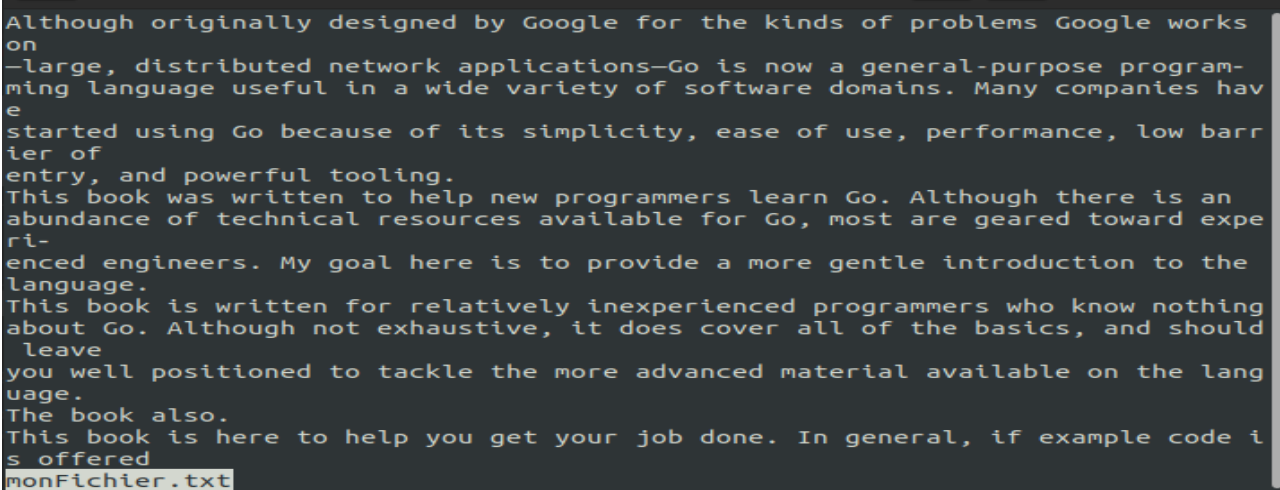


```
redkhay@vm: ~
Although originally designed by Google for the kinds of problems Google works
on
-large, distributed network applications-Go is now a general-purpose program-
ming language useful in a wide variety of software domains. Many companies hav
e
started using Go because of its simplicity, ease of use, performance, low barr
ier of
entry, and powerful tooling.
This book was written to help new programmers learn Go. Although there is an
abundance of technical resources available for Go, most are geared toward expe
ri-
enced engineers. My goal here is to provide a more gentle introduction to the
language.
This book is written for relatively inexperienced programmers who know nothing
about Go. Although not exhaustive, it does cover all of the basics, and should
leave
you well positioned to tackle the more advanced material available on the lang
uage.
The book also.
This book is here to help you get your job done. In general, if example code i
s offered
--More--(49%)
```

q: pour quitter mode lecture.

21.

```
redkhay@vm:~$ ls
Desktop  Downloads  monFichier.txt  Nouveau  Pictures  snap  Videos
Documents  fichier.txt  Music          Nouveau2  Public    Templates
redkhay@vm:~$ less monFichier.txt
```



```
redkhay@vm: ~
Although originally designed by Google for the kinds of problems Google works
on
-large, distributed network applications-Go is now a general-purpose program-
ming language useful in a wide variety of software domains. Many companies hav
e
started using Go because of its simplicity, ease of use, performance, low barr
ier of
entry, and powerful tooling.
This book was written to help new programmers learn Go. Although there is an
abundance of technical resources available for Go, most are geared toward expe
ri-
enced engineers. My goal here is to provide a more gentle introduction to the
language.
This book is written for relatively inexperienced programmers who know nothing
about Go. Although not exhaustive, it does cover all of the basics, and should
leave
you well positioned to tackle the more advanced material available on the lang
uage.
The book also.
This book is here to help you get your job done. In general, if example code i
s offered
monFichier.txt
```